

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Fischer et al.

GROUP: Unknown

SERIAL NO: Unknown

EXAMINER: Unknown

FILED: Herewith

FOR: METHOD OF EFFICIENT CARRIER GENERATION IN SILICON WAVEGUIDE
SYSTEMS FOR SWITCHING/MODULATING PURPOSES USING PARALLEL
PUMP AND SIGNAL WAVEGUIDES

Mail Stop Patent Application
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In compliance with 37 C.F.R. §§1.56, 1.97, and 1.98, Applicant submits copies of the documents listed on the attached Form PTO-1449.

The Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any further fee that may be required.

Respectfully submitted,

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I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on **August 19, 2003** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EL993843522US** addressed to the: Mail Stop Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Emily C. Paroli
Emily C. Paroli
08/19/2003
Date

FORM PTO-1449 SAMUELS, GAUTHIER & STEVENS LLP
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

MIT.9941
ATTORNEY DOCKET NO.

APPLICANT: Fischer et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,694,498	12/02/1997	Manasson et al.			08/16/1996
	AB	4,693,547	09/15/1987	Soref et al.			02/24/1986
	AC						
	AD						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AE						
	AF						
	AG						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	AH	"Single-Mode Silicon Optical Switch with T-Shape SiO ₂ Waveguide as a Control Gate," Iida et al. <i>IEEE International SOI Conference</i> . October 2001.
	AI	"Silicon-Based Optoelectronics," Soref. <i>Proceedings of the IEEE</i> . December 1993. Vol. 81, No. 12.
	AJ	"Integrated Optics in Silicon and SiGe-Heterostructures," Schuppert et al. <i>Journal of Lightwave Technology</i> . October 1996. Vol. 14, No. 10.
	AK	"Improving the Response of Optical Phase Modulators in SOI by Computer Simulation," Hewitt et al. <i>Journal of Lightwave Technology</i> . March 2000. Vol. 18, No. 3.
	AL	"Infrared Optical Switch by the Use of Optically Excited Free Carriers in Semiconductors," Saito et al. <i>Review of Scientific Instruments</i> . May 2000. Vol. 71, No. 5.
	AM	"SiGe /Si Mach-Zehnder Interferometer Modulator based on the Plasma Dispersion Effect," Li et al. <i>Applied Physics Letters</i> . April 1999. Vol. 74, No. 15.

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.